

INTERN CHALLENGE CODE

/* Declaring and initializing an ArrayList (array like datastructure) to store the resultant array. ArrayList can store any data type.

It is of object type

*/

```
public static ArrayList<Object> result = new ArrayList<>();
```

```
public static <T> ArrayList<Object> flatten(Collection<T> input) {
```

```
    if(input != null) {
        for(T type : input) {
            if(type instanceof Collection)
                flatten((Collection)type);
            else {
                if(type != null)
                    result.add(type);
            }
        }
    }
```

```
    else
        System.out.println("Passed collection is null");
```

```
    return result;
```

```
}
```